

PHILIP MORRIS INCORPORATED

INTER-OFFICE CORRESPONDENCE

RICHMOND, VIRGINIA

date: October 10, 1980

From: , W. A. Farone

subject: . Meeting on Measurements Development for Tobacco Utilization Program,
October 7, 1980 - Minutes and Comments

Presentations were made by C. L. Irving and B. C. LaPoy on the areas they are studying. The agenda and copies of the charts and graphs are attached.

Most of the discussion centered around the priorities that various attendees felt should be accorded portions of the projects discussed or the total Tobacco Utilization effort in general. Some of the specific comments relative to portions of the projects were as follows:

1. Effort on microwave moisture determination for use in conveyor systems was questioned on the basis of the already available IR backscatter technique. The comment was made that this portion of R&D effort may be accorded lower priority.
2. The portion of the program related to firmness while smoking was questioned relative to other properties that could be more important. It was pointed out that the current R&D program will assess the importance to the consumer and further work will depend on this result.
3. It was noted that both FTR and R&D were working on a static firmness tester and that work was now being coordinated.
4. It was suggested that the dynamic circumference measurement may be very useful if applied on the plug maker.
5. Interest was expressed in expanding the studies on curling to include correlations of the quantitative measurement of curling (being developed) with other properties of leaf, filler and blend throughout the entire processing operations including properties of the finished cigarette (e.g. loose ends, voids, etc.).
6. Interest was expressed in expanding studies of mechanical properties to cover the conditions encountered in the cutters.
7. It was suggested that further emphasis should be placed on the effects of tobacco "memory" in processing, including a quantitative description of "annealing" behavior and the effects of compressing on long term tobacco filler behavior. This area represents a logical extension of currently planned work.

W. C. Fisher

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